SNL Enhanced Drum-Closure System

- •Proof of Concept Demonstrated for Crimped Seal Technology on DOT 17-C Drums
- •Uses Commercial Equipment, Readily Available
- •Requires Further Evaluations for Specific Application
 - Initial Estimate: \$250K 6 Month Schedule
- •Procurement of Equipment Initial Estimate:
 - -\$200K per site; 4-6 Months for Procurement

SNL Enhanced Drum-Closure System



Figure 3. Rocky Flats Waste Drum With Crimped Ring on Drum Lid



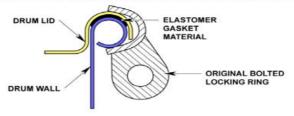
Figure 4. Sectioned Area of 16 Gage Crimping Ring, Drum and Lid



Figure 5. Sectioned Area of 12 Gage Crimping Ring, Drum, and Lid

DOT 17-C DRUM CONTAINMENT WITH NEW CRIMPED CLOSURE RING

DOT 17-C DRUM CONTAINMENT WITH ORIGINAL BOLTED LOCKING RING

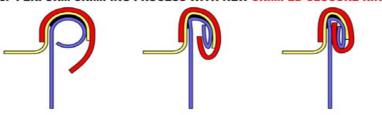


STEP 1. REMOVE ORIGINAL BOLTED LOCKING RING

STEP2. EMPLACE NEW
CRIMPED CLOSURE RING

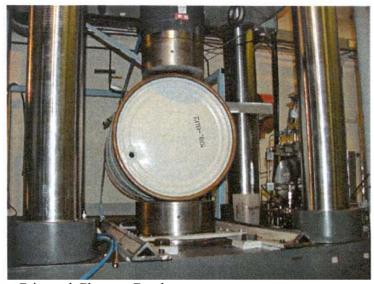


STEP 3. PERFORM CRIMPING PROCESS WITH NEW CRIMPED CLOSURE RING



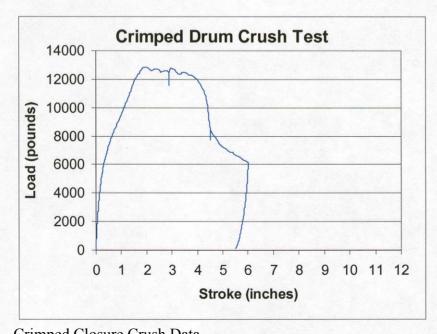


Crimped Drum Crush Test





Crimped Closure Crush.



Crimped Closure Crush Data.

Bolted Ring Drum Crush Test

